

APPENDIX “A”

LEAD PAINT ANALYSIS



Delahey Industries, Inc.

13000 W. Bluemound Rd.
Elm Grove, WI 53122
(262) 821-9296
Fax: (262) 821-1709

Asbestos Response Specialists • Inspections • EPA Certified

February 3, 2010

Ms. Bonnie Tesch
City of Milwaukee Water Works
Howard Avenue Purification Plant
3929 S. 6th Street
Milwaukee, WI 53221

Re: Howard Avenue Purification Plant – paint sampling
Delahey Industries, Inc. Project #10013

Dear Ms. Tesch:

Per your request, various paint samples were collected on February 1, 2010 at the Howard Avenue Water Purification Plant.

Paint Sampling Summary

The following surfacing materials were sampled for lead (Pb) paint analysis:

<u>Sample #/Surface/Material</u>	<u>Location</u>	<u>Lead (Pb) by weight</u>
P-01; red paint on steel	Pump #3	3.09%
P-02; red paint on steel	Pump #3	0.36%
P-03; red paint on steel	Pump #2	0.66%
P-04; red paint on steel	Pump #2	0.09%

Wisconsin Environmental Health Chapter 254.11 defines “lead bearing paint” as any paint or other surface coating material containing more than 0.06% lead by weight, calculated as lead metal.

Inspection Findings and Response Recommendations:

The red paint on pumps #2 and #3 is considered to be lead (Pb) bearing.

Attached are the laboratory analytical documents, which indicate the results of the analysis. If you have any questions concerning the results, feel free to call me at (262) 821-9296.

Regards,
Delahey Industries, Inc.

John P. Hey

ENVIRONMENTAL LEADS REPORT

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ACU
laboratories

Account Information:
R638
DELAHEY INDUSTRIES
13000 W BLUEMOUND RD
ELM GROVE WI 53122
414-507-5791

Account Information:	
R638 DELAHEY INDUSTRIES 13000 W BLUEMOUND RD ELM GROVE WI 53122 414-507-5791	8901 W Lincoln Ave. West Allis, WI 53227
Ordering Physician:	
Date Received:	02/01/2010
Date Analyzed/Reported:	02/01/2010
Analyst:	Audra Romme, MT (ASCP)
Director/Supervisor: Leon A. Saryan, Ph.D.	

ACT Content Verification: MAI

THE JOURNAL OF CLIMATE

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THE JOURNAL OF CLIMATE

GUIDELINES/STANDARDS	PERMISSIBLE LEVEL
LEAD IN WATER	EPA PERMISSIBLE LEVEL:
LEAD IN SOUPER IN WATER	EPA PERMISSIBLE LEVEL:
LEAD IN SOIL	EPA LEVEL OF CONCERN:
LEAD IN PAINT	EPA HAZARD LEVEL:
LEAD IN DUST WIPES	CPSC ² , NEW PAINT PERMISSIBLE LEVEL EPA/HUD ⁴ ACTION LEVEL: HUD CLEARANCE STANDARDS:

METHODLOGY	REPORTING LIMIT
Up to 15 mcg/Liter (15 ppb)	1 mcg/Liter (1 ppb)
Up to 1300 mcg/Liter (1300 ppb)	10 mcg/Liter (10 ppb)
400 ppm (400 mcg/gm)	10 mcg lead/gram soil
2000 Ppm (2000 mcg/gm)	
Up to 0.06%	
Above 0.5%	
FLOORS - 40 mcg/square foot	
WINDOW WELLS - 400 mcg/square foot	
WINDOW SILLS - 250 mcg/square foot	
OTHER SITUATIONS - Lab recommendation	50 mcg/square foot
	5 mcg lead/wipe
	0.02% Lead
Modified NIOSH 7300	
Modified NIOSH 7300	
APHA 3113B	
APHA 3120B	
Modified NIOSH 7300	

¹Consumer Protection Agency ²Environmental Protection Agency ³Department of Housing and Urban Development

Tab #: 10013

Tab Location: WATER TREATMENT



Analytical Quality Control

8901 W Lincoln Avenue
West Allis, WI 53227
Tel: 414-328-7945
Fax: 414-328-8560

****Please note: These are not test results****

The values listed on this report are laboratory quality control samples. These controls are prepared daily and analyzed along with submitted samples. Refer to the enclosed report for submitted test results.

Instrument used for analysis: Optima 4300 ICP-OE

Today's Date: 02/01/10

Laboratory Control Sample: LCS-W

QC Sample Media: Wipes

<u>Analyte</u>	<u>LCS Value</u>	<u>Acceptable Range</u>	<u>Pass/Fail</u>
Lead in wipes	N/A	1578-2367 mcg/gram	Pass

Laboratory Control Sample : LCS-P

QC Sample Media: Paint chips

<u>Analyte</u>	<u>LCS Value</u>	<u>Acceptable Range</u>	<u>Pass/Fail</u>
Lead in paint	0.457	0.343-0.515%	Pass

Laboratory Control Sample: LCS-S

QC Sample Media: Soil

<u>Analyte</u>	<u>LCS Value</u>	<u>Acceptable Range</u>	<u>Pass/Fail</u>
Lead in soil	N/A	410-616 mcg/gram	Pass

****ACL Industrial Toxicology is accredited by the American Industrial Hygiene Association****

The acceptable range for an analyte is based on the standard deviation of each analyte, which has been determined from statistical evaluation of the historical performance of the assay. A result outside of the acceptable range is considered to have failed QC requirements. The analytes used for QC determination are the same analytes that appear in the samples for the report and are indicative of overall assay performance of the compounds found in those samples.

End of Analytical Report

*The accompanying QC results in this report apply only to the submitted samples for this date tested at
ACL Industrial Toxicology.*